Terralon® LA

ANTIBIOTICS
LONG-ACTING TETRACYCLINE
INJECTABLE SOLUTION

- **Highly bioavailable 20 % oxytetracycline** formulation gives:
- **High peak plasma concentration** to act on less sensitive bacteria
- **Higher release from injection site**
- **Less irritation and damage at injection site** due to less antibiotic left at injection site

MECHANISM OF ACTION[3]

- **Long action over 3 - 5 days**
- Inhibit protein synthesis by reversibly blinding to 30S ribosomal subunits of susceptible organisms. They are also believed to reversibly bind to 50S ribosomes and alter cytoplasmic membrane permeability.
- **Bacteriostatic**

COMPOSITION

Each ml contains:
Oxytetracycline (as dihydrate) 200 mg

PRESENTATION

Amber coloured glass vials containing 100 ml, 250 ml and 500 ml sterile solution.

INDICATIONS

Treatment of **Tickborne gallsickness** (cattle, sheep and goats),
Heartwater (cattle, sheep and goats).
Pneumonia, joint-ill, navel-ill (cattle, sheep, goats and pigs),
Footrot (cattle, sheep and goats),
Pink eye (infectious bovine keratocon-junctivitis) in cattle, sheep, goats and pigs.

DOSAGE AND DIRECTIONS FOR USE

Deep intramuscular injection.

Cattle, Sheep, Goats and Pigs: **1 ml /10 kg body mass.**
If necessary repeat after 72 hours.

Divide dosage over two or more injection sites.
Maximum of 15 ml per injection site in cattle, 7 ml in pigs, calves and sheep.

In case of tickborne gallsickness, repeat treatment after 10 - 14 days.

WITHDRAWAL PERIOD

	Meat	Milk
Cattle	30 days	6 days
Sheep	22 days	6 days
Goats	30 days	6 days
Pigs	22 days	8 days

STORAGE

Store at or below 25 °C and protect from light

TERRALON® LA. Composition: Oxytetracycline (as dihydrate) 200 mg, Reg. No: G2676 (Act 36/1947), Namibia Reg. No: V03/17.1.2/1297 NS0

VIRBAC RSA (Pty) Ltd
(Reg. No 1990/003743/07)
Private Bag X115, Halfway House, 1685
South Africa
Tel: (012) 657 6000 Fax: (012) 657 6067

Shaping the future of animal health

Virbac

Terralon® LA

ANTIMICROBIAL ACTIVITY[2,4]

Mycoplasmas | Spirochetes | Chlamydia | Rickettsia
Broad spectrum – Gram ⊕ and Gram ⊖ bacteria

SUSCEPTIBILITY DATA[1,2]

Sensitivity of Tetracyclines for certain bacteria in cattle and pigs[1]

Organism	Sensitive %	Intermediate %	Resistance %
Pasteurella multocida (cattle)	94,3	0,0	5,7
Mannheimia haemolytica (cattle)	84,2	1,2	14,6
Pasteurella multocida (pigs)	57,0	20,80	22,22
Actinobacillus pleuropneumoniae (pigs)	26,4	58,9	14,7

Resistance of *Moraxella* spp.[3]

Organism	Resistance %	
	Oxytetracyclines	Penicillin
Moraxella bovis	20	40
Moraxella bovoculi	0	9
Moraxella ovis	9	18

In vitro activity (MIC_{90}, µg / ml) of tetracycline against bacteria including Mycoplasma[2]

Organism	MIC_{90}
Gram ⊕ aerobes	
Bacillus anthracis	4
Corynebacterium pseudotuberculosis	≤0,25
C. renale	4
Erysipelothrix rhusiopathiae	0,25
Listeria monocytogenes	1
Gram ⊖ aerobes	
Actinobacillus spp.	≤0,25
Brucella canis	0,25
Campylobacter fetus	2
Histophilus somni	2
Moraxella bovis	1
P. multocida (pig)	1
Taylorella equigenitalis	0,5
Anaerobes	
Actinomyces spp.	1
Fusobacterium necrophorum	4
Mycoplasma	
Mycoplasma bovirhinis	0,5*
M. bovis	4*
M. hyopneumoniae	0,03
M. agalactiae	0,5
Spirochetes	
Leptospira spp.	4

* Some reports show resistance

References:
1. de Jong A, Thomas V, Simjee S, Moyaert H, El Garch F, Maher K, et al. Antimicrobial susceptibility monitoring of respiratory tract pathogens isolated from diseased cattle and pigs across Europe: The VetPath study. Vet Microbiol 2014;172(1):202-215.
2. Giguere S, Prescott JF, Dowling PM. Antimicrobial Therapy in Veterinary Medicine. 5th ed. Iowa, USA: Blackwell Publishing Professional; 2013.
3. Maboni G, Gressler LT, Espindola JP, Schwab M, Tasca C, Potter L, et al. Differences in the antimicrobial susceptibility profiles of Moraxella bovis, M.bovoculi and M. ovis. Brazilian J Microbiol 2015;46(2):545-549.
4. Plumb DC. Plumb's Veterinary Drug Handbook. 7th ed. Stockholm, Wisconsin: PharmaVet Inc.; 2011.